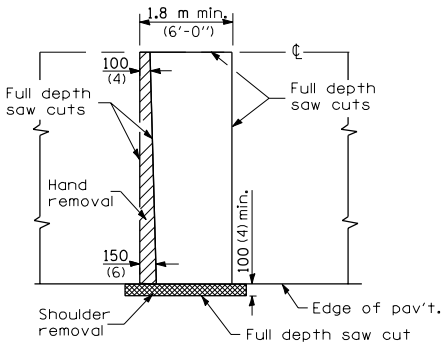
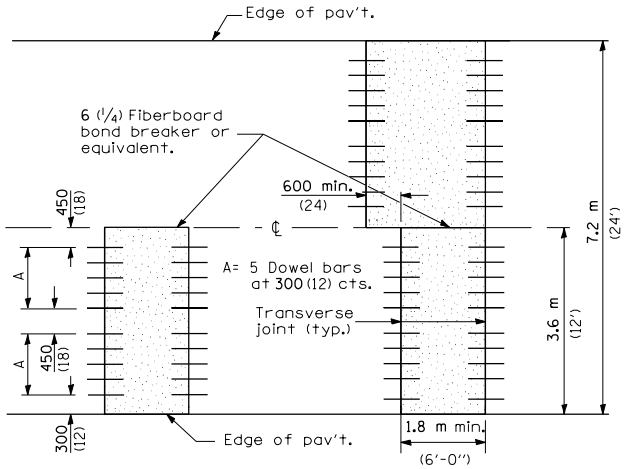
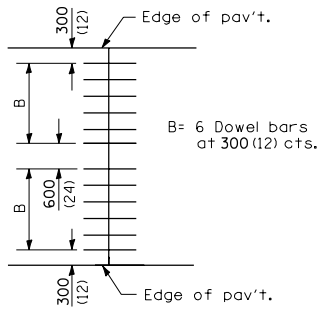


PAVEMENT SAWING DETAIL

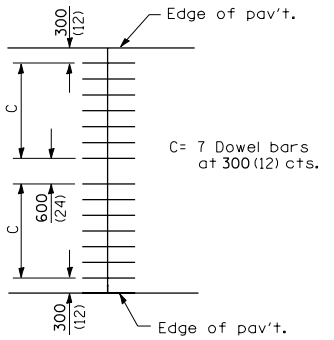
(BITUMINOUS SHOULDER)



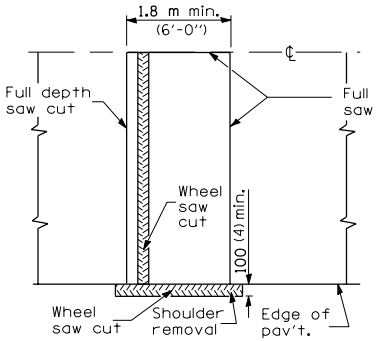
3.6 m (12') WIDE LANES



4.2 m (14') WIDE RAMP

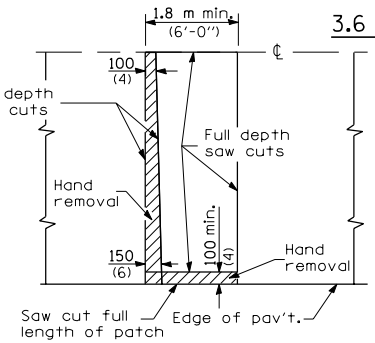


4.8 m (16') WIDE RAMP



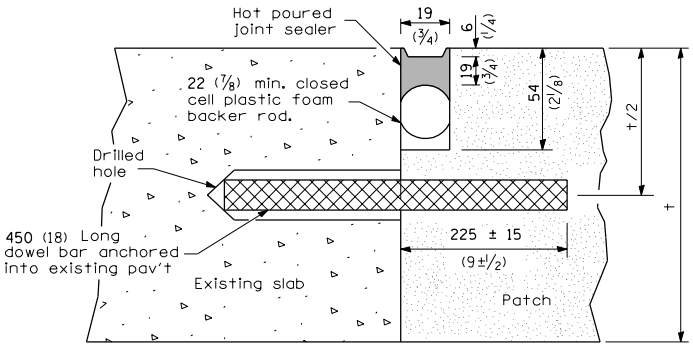
ALTERNATE SAWING DETAIL

(BITUMINOUS SHOULDER)

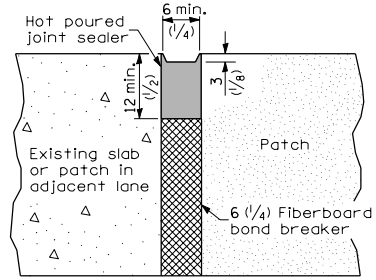


PAVEMENT SAWING DETAIL

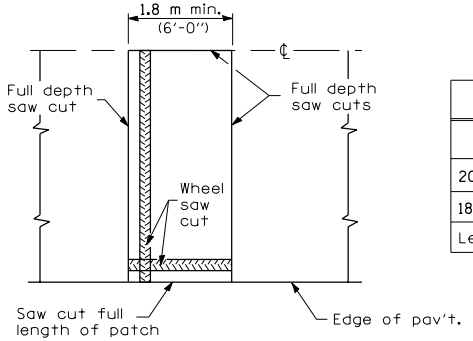
(PCC SHOULDER)



TRANSVERSE JOINT



CENTERLINE JOINT



ALTERNATE SAWING DETAIL

(PCC SHOULDER)

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
200 (8) or greater	38 (1 1/2)	41 (1 5/8)
180 (7) thru 199 (7.99)	32 (1 1/4)	35 (1 3/8)
Less than 180 (7)	25 (1)	29 (1 1/8)

GENERAL NOTES

The transverse joints for Class B patches shall align with joints or cracks in the adjacent lane whenever possible.

For Class B patches 14 m (45') or longer, transverse contraction joints shall be installed at regular intervals per the joint spacing of the existing pavement.

See Standard 420701 for details of pavement fabric.

All dimensions are in millimeters (inches) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1. 2004
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1. 2004
ENGINEER OF DESIGN AND ENVIRONMENT

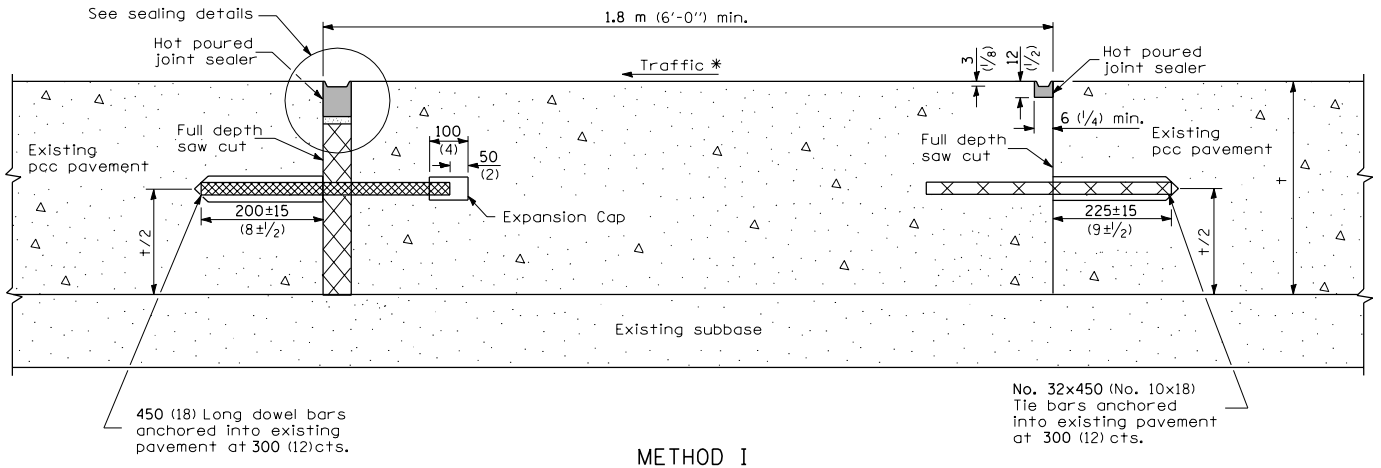
ISSUED 1-1-97

DATE	REVISIONS
1-1-04	Revised expansion caps
	and general notes.
1-1-03	Revised expansion joint
	dowels to epoxy coated,
	and minor revisions.

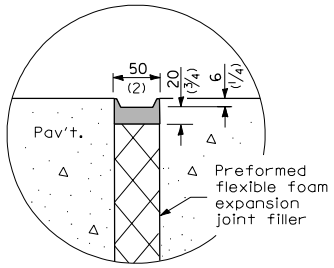
CLASS B PATCHES

(Sheet 1 of 2)

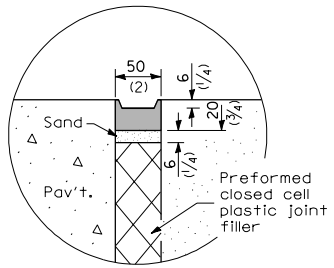
STANDARD 442101-05



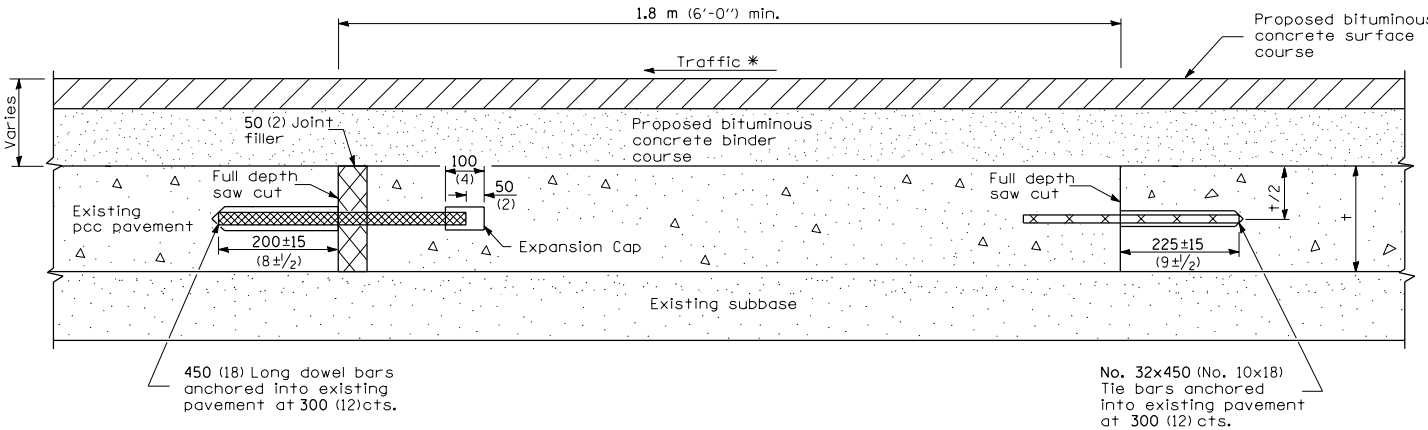
METHOD I
(Without Resurfacing)



SEALING DETAIL



SEALING DETAIL



METHOD II
(With Resurfacing)

NOTE

* When re-establishing a transverse expansion joint on a two-lane, two-way road, reverse the orientation of the dowel bars with respect to traffic for one of the patches such that the joint will be continuous across both lanes.

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CLASS B PATCHES

STANDARD 442101-05